

### Abstract

It is an object to propose a way to assign channelization that is applicable to a case in which the number of multiplexing of DPDCHs (Dedicated Physical Data Channels) is at least five for overshoot of HPSK (Hybrid Phase Shift Keying)

- 5 modulation. Assignment of channelization codes is set as follows. For all possible combinations of channelization assigned to given data channels and control channels, a transition  $\theta_1$  from the first chip to the second chip and a transition  $\theta_2$  from the third chip to the fourth chip are obtained. For each transition, 0 degrees or 180 degrees is desirable, and 90 degrees is the worst, so that a combination is obtained in which  
10 squares of sine of respective transitions become the smallest. Consequently, by obtaining a combination that makes  $\sin^2 \theta_1 + \sin^2 \theta_2$  the smallest, the one that is close to the most desirable combination can be obtained.